

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 59128330  
PUBLICATION DATE : 24-07-84

APPLICATION DATE : 06-01-83  
APPLICATION NUMBER : 58000800

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INT.CL. : A61K 31/79 A61C 5/00 A61K 6/00 //(A61K 31/79 , A61K 31/19 ), (A61K 31/79 , A61K 31/66 )

TITLE : DENTAL ACID TREATMENT

ABSTRACT : PURPOSE: A dental acid treatment applicable uniformly to restorative dental materials, having adhesivity, obtained by dissolving polyvinyl pyrrolidone having a specific k value in an aqueous solution of phosphoric acid or carboxylic acid in a specified ratio.

CONSTITUTION: 5-100pts.wt., preferably 10-80pts.wt. polyvinyl pyrrolidone having 15-60k value is dissolved in 100pts.wt. 5-80wt% aqueous solution of phosphoric acid or carboxylic acid, to give a dental acid treatment having increased viscosity. The addition of polyvinyl pyrrolidone as a thickening agent provides the titled treatment having improved viscosity increasing effect and storage stability. It is applicable uniformly to restorative dental materials, and the surface of the teeth can be treated uniformly by pushing the materials to the surface of the teeth. It is directly applicable to the surface of the teeth, and it has effects to etch only the surface of the teeth to be treated since it is thickened.

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